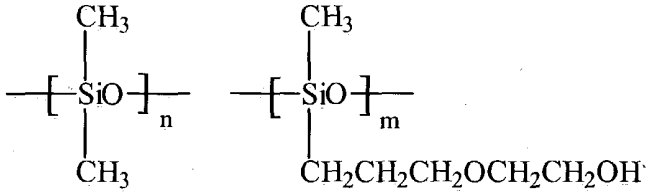
What is claimed is

1. A perfluoroelastomer article coated with a durable film comprising a polysiloxane and a urethane oligomer.

2. A perfluoroelastomer article of claim 1 wherein said film is of a thickness between 0.1 and 10 microns

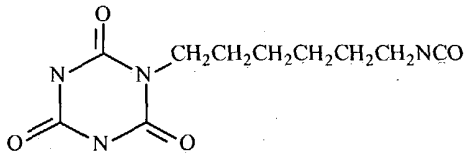
3. A perfluoroelastomer article of claim 2 wherein said film is of a thickness between 3 and 7 microns

4. A perfluoroelastomer article of claim 1 wherein said polysiloxane is a mixture of polysiloxanes of formulas



wherein n and m are such that said polysiloxanes each have a number average molecular weight between 500 and 5000, as measured by size exclusion chromatography employing polystyrene calibration standards.

5. A perfluoroelastomer article of claim 1 wherein said urethane oligomer is based on an isocyanate of the formula



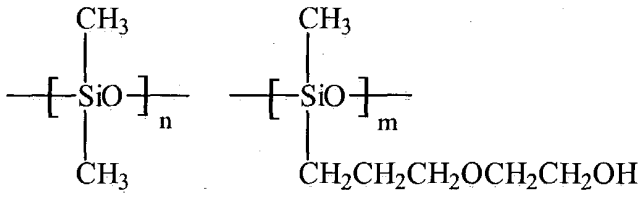
6. A process for forming a durable polysiloxane urethane oligomer film on a perfluoroelastomer article, said process comprising:

A. coating a cured perfluoroelastomer article with a dispersion comprising i) a polysiloxane having pendant hydroxyl groups and ii) a blocked isocyanate to form a wet-coated perfluoroelastomer article;

B. drying said wet-coated perfluoroelastomer article to form a dry-coated perfluoroelastomer article at a temperature below which said pendant hydroxyl groups react with said blocked isocyanate to form urethane oligomer; and

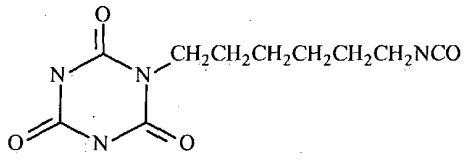
C. heating said dry-coated perfluoroelastomer article to a temperature and for a sufficient period of time where said pendant hydroxyl groups react with said blocked isocyanate to form urethane oligomer and a durable film comprising said polysiloxane and urethane oligomer on the surface of said perfluoroelastomer article.

7. A process of claim 6 wherein said polysiloxane is a mixture of polysiloxanes of the formulas



wherein n and m are such that said polysiloxanes each have a number average molecular weight between 500 and 5000, as measured by size exclusion chromatography employing polystyrene calibration standards.

8. A process of claim 6 wherein said isocyanate is of formula



9. A process of claim 6 wherein said dispersion has a weight ratio of polysiloxane to isocyanate between 9 to 1 and 1 to 1.

10. A process of claim 6 wherein said drying of said wet-coated perfluoroelastomer article takes place in air at 20°C.

11. A process of claim 6 wherein said heating of said dry-coated perfluoroelastomer article is at a temperature greater than 100°C for more than 5 minutes.

12. A process of claim 11 wherein said heating of said dry-coated perfluoroelastomer article is at a temperature of 200°C for 10 minutes.